

# Best Available Copy

CZ283459

XP 002389199

PK - CZ9600843 A3 19971015

INFP - CZ283459 B6 19980415

T1 - (A3 B6) MIXTURE FOR REFRACTORY PURPOSES

T4 - (B6) This mixture for refractory purposes containing 22 to 93.6% by weight of milled silicate Portland clinker and/or white cement according to the weight of the mixture, and 5 to 77% by weight, according to the weight of the mixture and other substances for preparing refractory materials selected from the group consisting of finely ground metallurgical clinker, blast-furnace granulated clinker, ash, products of the calcination of aluminosilicates, pozzolans, refractory grog and/or a finely ground filling selected from the group of substances consisting of burnt clay, Dinas clay, burnt mud rock and corundum, and also 1 to 10% by weight, according to the weight of a mixture of substances based on Al<sub>2</sub>O<sub>3</sub>, is based on the fact that Portland clinker and/or white cement is free of plaster stone and the mixture contains 1 to 30% by weight of reactive substances based on Al<sub>2</sub>O<sub>3</sub> consisting of Al<sub>2</sub>O<sub>3</sub>, hydrated Al<sub>2</sub>O<sub>3</sub>.nH<sub>2</sub>O and/or bauxite and/or laterite with a particle size below 150 micrometers according to the weight of the mixture of the Portland clinker and/or white cement with reactive substances based on Al<sub>2</sub>O<sub>3</sub>, and 0.001 to 2% by weight of milling ingredients according to the weight of the mixture of Portland clinker and/or white cement with reactive substances based on Al<sub>2</sub>O<sub>3</sub>. In addition, it may contain 0.1 to 5% by weight, according to the total mixture, of the hydrolysable salt of an alkaline metal selected from the group consisting of carbonates, hydrogen carbonates and silicates of alkaline metals, and 0.1 to 5% by weight, according to the total mixture, of a plasticizing additive based on anionic or cationic a tenside stable in a medium with a pH greater than 7 selected from the group of substances consisting of ligninsulphonates of alkaline metals, sulphonated lignin, sulphonated polyphenolate, naphthalene sulphonate, the sulphonated product of the condensation of melamine with formaldehyde, and/or 0.1 to 20% by weight of SiO<sub>2</sub> fly ash from metallurgical production, and/or 0.1 to 5% by weight of the setting regulators of gypsum-free cements selected from the group of substances consisting of organic hydroxyacids, boric acid, organosilicon compounds or phosphates. <IMAGE>

PA - (A3 B6) VSCHT [CZ]

IN - (A3 B6) SEVCÍK VACLAV ING [CZ]; SKVÁRA FRANTIŠEK DOC RNDR DRSD [CZ]

AP - CZ19960000843 19960321

PR - CZ19960000843 19960321

DT - |